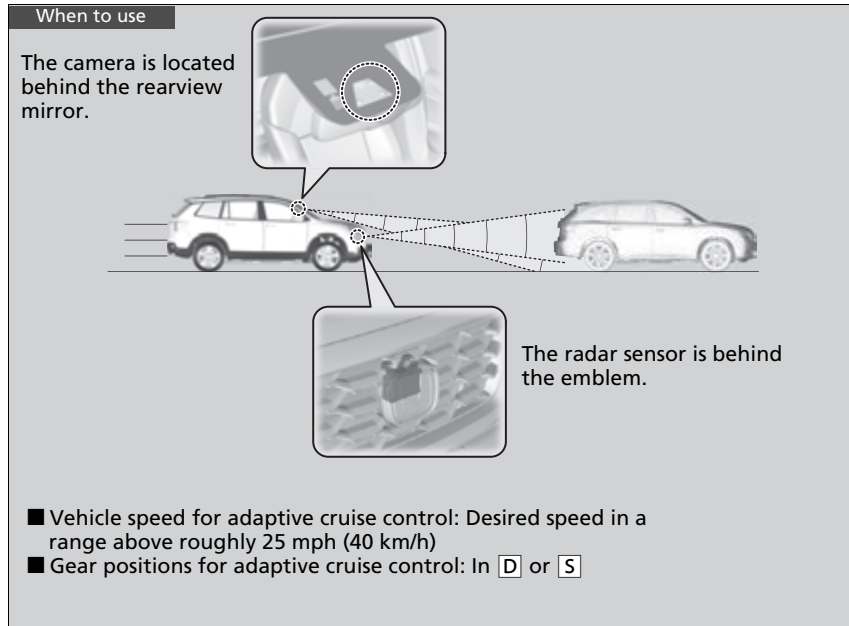


## Adaptive Cruise Control (ACC)

Helps maintain a constant vehicle speed and a set following-interval behind a vehicle detected ahead of yours, without you having to keep your foot on the brake or the accelerator.



### Adaptive Cruise Control (ACC)

#### ⚠ WARNING

Improper use of ACC can lead to a crash. Use ACC only when driving on expressways or freeways and in good road and weather conditions.

#### ⚠ WARNING

ACC has limited braking capability.

When your vehicle speed drops below 22 mph (35 km/h), ACC will automatically cancel and no longer will apply your vehicle's brakes.

Always be prepared to apply the brake pedal when conditions require.

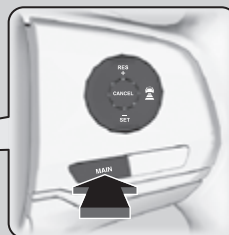
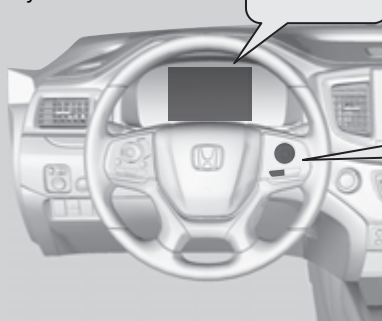
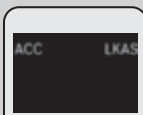
ACC cannot be activated if Intelligent Traction Management setting is **Snow**, **Sand\*** or **Mud\***.

\* Not available on all models

## ■ How to activate the system

### How to use

**ACC is on in the driver information interface.**  
Adaptive cruise control is ready to use.



■ Press the **MAIN** button on the steering wheel.

## ▶ Adaptive Cruise Control (ACC)

### Important Reminder

As with any system, there are limits to ACC. Use the brake pedal whenever necessary, and always keep a safe interval between your vehicle and other vehicles.

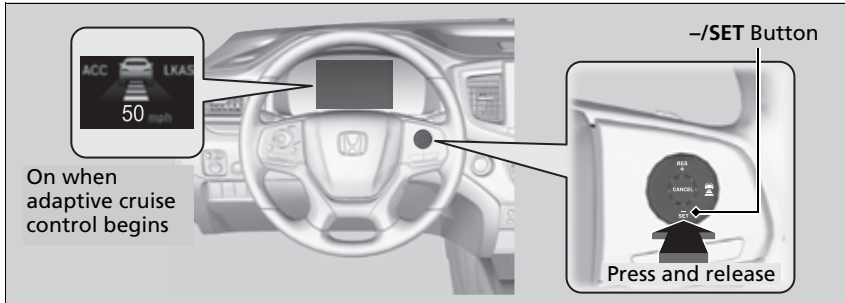
You can read about handling information for the camera equipped with this system.

▶ **Front Sensor Camera** P. 474

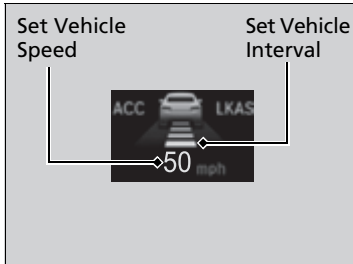
The radar sensor for ACC is shared with the Collision Mitigation Braking System™ (CMBS™).

▶ **Collision Mitigation Braking System™ (CMBS™)** P. 435

## To Set the Vehicle Speed



Take your foot off the pedal and press the **-/SET** button when you reach the desired speed. The moment you release the **-/SET** button, the set speed is fixed, and ACC begins.



When ACC starts operating, the vehicle icon, distance bars and set speed appear on the driver information interface.

## Adaptive Cruise Control (ACC)

ACC may not work properly under certain conditions.

### ACC Conditions and Limitations P. 452

When not using ACC: Turn off adaptive cruise by pressing the **MAIN** button. This also will turn off the Lane Keeping Assist System (LKAS).

When the **MAIN** button is pressed, ACC and Lane Keeping Assist System (LKAS) are both turned on or off.

You can switch the displayed set speed measurements on the driver information interface between mph and km/h.

### Units P. 119

Do not use ACC under the following conditions:

- On roads with heavy traffic or while driving in continuous stop and go traffic.
- On roads with sharp turns.
- On roads with steep downhill sections, as the set vehicle speed can be exceeded by coasting. In such cases, ACC will not apply the brakes to maintain the set speed.
- On roads with toll collection facilities or other objects between lanes of traffic, or in parking areas, or facilities with drive through access.

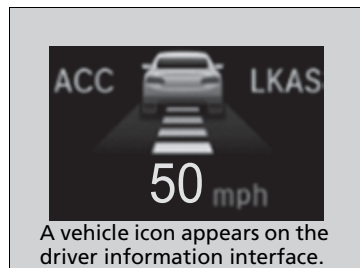
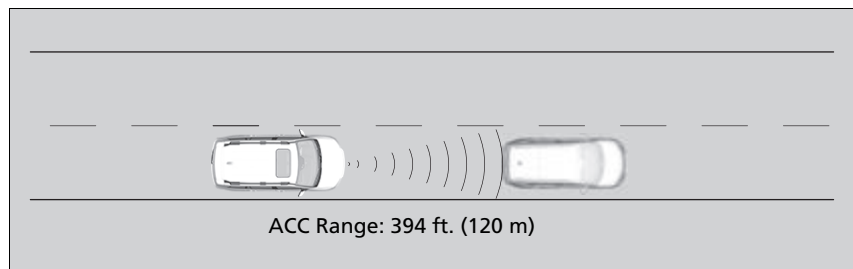
Continued

## ■ When in Operation

### ■ There is a vehicle ahead

ACC monitors if a vehicle ahead of you enters the ACC range. If a vehicle is detected doing so, the ACC system maintains or decelerates your vehicle's set speed in order to keep the vehicle's set following-interval from the vehicle ahead.

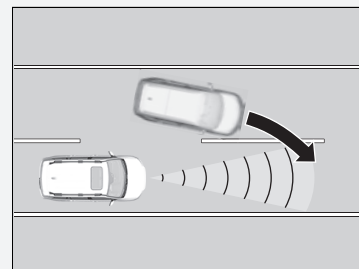
➤ **To Set or Change Following-interval** P. 455



When a vehicle whose speed is slower than your set speed is detected in front of you, your vehicle starts to slow down.

## ▶ When in Operation

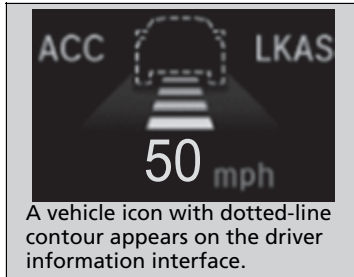
If the vehicle detected ahead of you slows down abruptly, or if another vehicle is detected cutting in front of you, the beeper sounds and a message appears on the driver information interface.



Depress the brake pedal, and keep an appropriate interval from the vehicle ahead.



## ■ There is no vehicle ahead



## ■ When you depress the accelerator pedal

You can temporarily increase the vehicle speed. In this case, there is no audible or visual alerts even if a vehicle is in ACC range. ACC stays on unless you cancel it. Once you release the accelerator pedal, the system resumes the set speed.

Your vehicle maintains the set speed without having to keep your foot on the brake or accelerator pedal.

If there previously was a vehicle detected ahead that kept your vehicle from traveling at the set speed, ACC accelerates your vehicle to the set speed, and then maintains it.

## » When in Operation

Even if the interval between your vehicle and the vehicle detected ahead is short, ACC may start accelerating your vehicle under the following circumstances:

- The vehicle ahead of you is going at almost the same speed as, or faster than, your vehicle.
- A vehicle that cuts in front of you is going faster than your vehicle, gradually increasing the interval between the vehicles.

You can also set the system to beep when a vehicle in front of you comes in and goes out of the ACC detecting range. Change the **ACC Forward Vehicle Detect Beep** setting.

» **Customized Features** P. 329

## Limitations

You may need to use the brake to maintain a safe interval when using ACC. Additionally, ACC may not work properly under certain conditions.

» **ACC Conditions and Limitations** P. 452

## ■ ACC Conditions and Limitations

The system may automatically shut off and the **ACC** indicator will come on under certain conditions. Some examples of these conditions are listed below. Other conditions may reduce some of the ACC functions.

➤ **Front Sensor Camera** P. 474

➤ **Radar Sensor** P. 476

### ■ Environmental conditions

Driving in bad weather (rain, fog, snow, etc.).

### ■ Roadway conditions

Driving on a snowy or wet roadway (obscured lane marking, vehicle tracks, reflected lights, road spray, high contrast).

### ■ Vehicle conditions

- The outside of the windshield is blocked by dirt, mud, leaves, wet snow, etc.
- An abnormal tire or wheel condition (incorrect sizes, varied sizes or construction, improperly inflated, compact spare tire, etc.).
- The camera temperature gets too high.
- The parking brake is applied.
- When the front grille is dirty.
- The vehicle is tilted due to a heavy load or suspension modifications.
- When tire chains are installed.
- The vehicle is towing a trailer.

## ➤ ACC Conditions and Limitations

If you need the radar sensor to be repaired, or removed, or the radar sensor cover is strongly impacted, turn off the system by pressing the **MAIN** button and take your vehicle to a dealer.

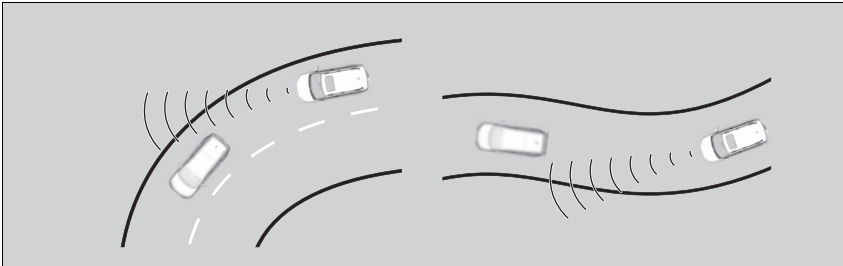
Have your vehicle checked by a dealer if you find any unusual behavior of the system (e.g., the warning message appears too frequently).

If the front of the vehicle is impacted in any of the following situations, the radar sensor may not work properly. Have your vehicle checked by a dealer:

- The vehicle mounted onto a bump, curb, chock, embankment, etc.
- You drive the vehicle where water is deep.
- Your vehicle has a frontal collision.

## ■ Detection limitations

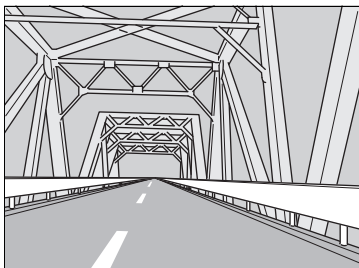
- A vehicle suddenly crosses in front of you.
- The interval between your vehicle and the vehicle ahead of you is too short.
- A vehicle cuts in front of you at a slow speed, and it brakes suddenly.
- You accelerate rapidly and approach the vehicle ahead of you at high speed.
- The vehicle ahead of you is a motorcycle, bicycle, mobility scooter, or other small vehicle.
- There are animals in front of your vehicle.
- You drive on a curved or winding or undulating road that makes it difficult for the sensor to properly detect a vehicle in front of you.



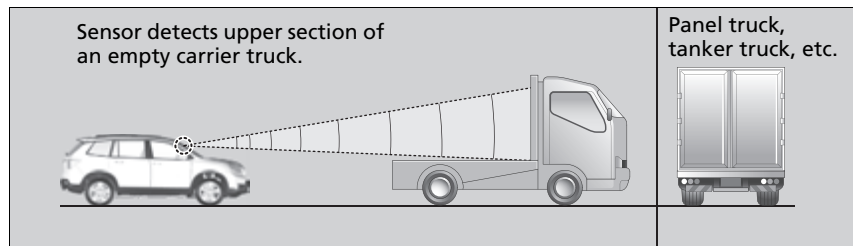
- A vehicle ahead of you stops and the speed difference between your vehicle and the vehicle ahead of you is significantly large.
- An oncoming vehicle suddenly comes in front of you.
- Your vehicle abruptly crosses over in front of an oncoming vehicle.

*Continued*

- Driving through a narrow metal bridge.



- The vehicle ahead of you brakes suddenly.
- The vehicle ahead of you has a unique shape.



- Your vehicle or the vehicle ahead of you is driving on one edge of the lane.



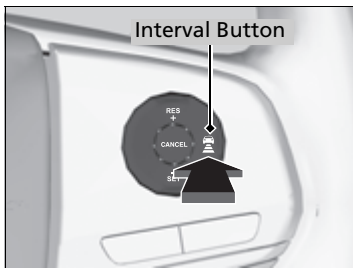
## ■ To Adjust the Vehicle Speed


Increase or decrease the vehicle speed using the **RES/+** or **−/SET** buttons on the steering wheel.



- Each time you press the button, the vehicle speed is increased or decreased by about 1 mph or 1 km/h accordingly.
- If you keep the button pressed, the vehicle speed increases or decreases by about 5 mph or 5 km/h accordingly.

## ■ To Set or Change Following-interval



Press the  (Interval) button to change the ACC following-interval.

Each time you press the button, the following-interval (the interval behind a vehicle detected ahead of you) setting cycles through short, middle, long, and extra long following-interval.

## ▶▶ To Adjust the Vehicle Speed

If a vehicle detected ahead is going at a speed slower than your increased set speed, ACC may not accelerate your vehicle. This is to maintain the set interval between your vehicle and the vehicle ahead.

You can switch the displayed set speed measurements on the driver information interface between mph and km/h.





 **Units** P. 119

You can set the vehicle speed using the **−/SET** button on the steering wheel when adjusting the speed with the accelerator and brake pedals.

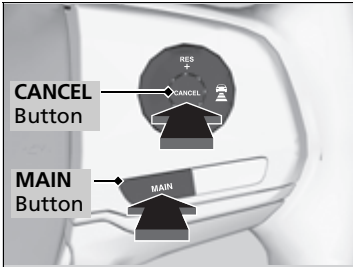
*Continued*

Determine the most appropriate following-interval setting based on your specific driving conditions. Be sure to adhere to any following-interval requirements set by local regulation.

The higher vehicle's following-speed is, the longer the short, middle, long or extra long following-interval becomes. See the following examples for your reference.

Following-interval		When the Set Speed is:	
		50 mph (80 km/h)	65 mph (104 km/h)
Short		83 feet 25 meters 1.1 sec	100 feet 31 meters 1.1 sec
Middle		110 feet 33 meters 1.5 sec	137 feet 42 meters 1.5 sec
Long		154 feet 47 meters 2.1 sec	200 feet 61 meters 2.1 sec
Extra Long		204 feet 62 meters 2.8 sec	265 feet 81 meters 2.8 sec

## To Cancel



To cancel ACC, do any of the following:

- Press the **CANCEL** button.
- Press the **MAIN** button.  
▶ ACC indicator goes off.
- Depress the brake pedal while the vehicle is moving forward.

## Automatic cancellation

The beeper sounds and a message appears on the driver information interface when ACC is automatically canceled. Any of these conditions may cause the ACC to automatically cancel:

- Bad weather (rain, fog, snow, etc.).
- When the radar sensor behind the emblem gets dirty.
- The vehicle ahead of you cannot be detected.
- An abnormal tire condition is detected, or the tires are skidding.
- Driving on a mountainous road for extended periods, or driving off road.
- Abrupt steering wheel movement.
- When the ABS, VSA®, or CMBS™ is activated.
- When the ABS or VSA® system indicator comes on.
- When you manually apply the parking brake.
- When the detected vehicle within the ACC range is too close to your vehicle.
- The camera behind the rearview mirror, or the area around the camera, including the windshield, gets dirty.

## To Cancel

Resuming the prior set speed: After you have canceled ACC, you can resume the prior set speed while it is still displayed. Press the **RES/+** button when driving at a speed of at least 25 mph (40 km/h) or more.

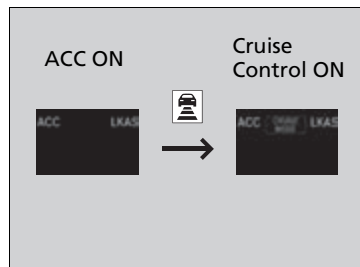
The set speed cannot be set or resumed when ACC has been turned off using the **MAIN** button. Press the **MAIN** button to activate the system, then set the desired speed.


## Automatic cancellation


Even though ACC has been automatically canceled, you can still resume the prior set speed. Wait until the condition that caused ACC to cancel improves, then press the **RES/+** button.

Continued

## ■ To Switch ACC to Cruise Control



Press and hold the  (interval) button for one second. **Cruise Mode Selected** appears on the driver information interface for two seconds, and then the mode switches to Cruise.

To switch back to ACC, press and hold the  button again for one second.

### ■ When to use

Desired speed in a range above roughly 25 mph (40 km/h).

## ■ To Set the Vehicle Speed

Take your foot off the pedal and press the **–/SET** button when you reach the desired speed.

The moment you release the **–/SET** button, the set speed is fixed, and cruise control begins. The **CRUISE CONTROL** indicator comes on.

## ■ To Adjust the Vehicle Speed

Each time you press the **RES/+** or **–/SET** button, the vehicle speed is increased or decreased by about 1 mph (1.6 km/h).

If you keep the **RES/+** or **–/SET** button pressed, the vehicle speed increases or decreases until you release it. This speed is then set.

## ▶▶ To Switch ACC to Cruise Control

Always be aware which mode you are in. When you are driving in Cruise mode, the system will not assist you to maintain a following-interval from a vehicle ahead of you.

## ■ To Cancel

To cancel cruise control, do any of the following:

- Press the **CANCEL** button.
- Press the **MAIN** button.
- Depress the brake pedal.

The **CRUISE CONTROL** indicator goes off.

## ☒ To Cancel

Resuming the prior set speed:

After cruise control has been canceled, you can still resume the prior set speed by pressing the **RES/+** button while driving at a speed of at least 25 mph (40 km/h) or more.

You cannot set or resume in the following situations:

- When vehicle speed is less than 25 mph (40 km/h).
- When the **MAIN** button is turned off.

At vehicle speeds of 22 mph (35 km/h) or less, cruise control is canceled automatically.